

## Description of the Drawings

The appended drawings illustrate only exemplary embodiments of the invention and therefore do not limit its scope. The disclosed inventive concepts lend themselves to other equally effective embodiments. In the drawings, the same numerals used in more than one  
5 drawing denote the same, similar, or equivalent functionality, components, or blocks.

FIG. 1 illustrates the block diagram of an RF transceiver. The RF transceiver includes radio circuitry that operations in conjunction with baseband processor circuitry.

FIG. 2A shows RF transceiver circuitry partitioned according to the invention.

FIG. 2B depicts another embodiment of RF transceiver circuitry partitioned according to the invention. In this embodiment, the reference generator resides within the same circuit partition, or circuit block, as does the receiver digital circuitry.

FIG. 2C illustrates yet another embodiment of RF transceiver circuitry partitioned according to invention. In this embodiment, the reference generator circuitry resides within the baseband processor circuitry.

20 FIG. 2D shows another embodiment of RF transceiver circuitry partitioned according to the invention. In this embodiment, the receiver digital circuitry resides within the baseband processor circuitry.